

Appl. No. 10/756,053  
Amdt. dated November 23, 2005  
Reply to Office action of August 24, 2005

Page 4, line 20, through page 5, line 13, please amend the paragraph as follows:

The multiple frequency generator (50) generates a base frequency ( $S_1$ ) an interim frequency ( $S_2$ ) and a transmission frequency ( $S_3$ ), and comprises an oscillator (51), a frequency divider (52) and a frequency synthesizer (53). The oscillator (51) generates the base frequency ( $S_1$ ). The frequency divider (52) is connected to the oscillator (51) and receives the base frequency ( $S_1$ ) from the oscillator (51) to output the interim signal ( $S_2$ ). The frequency synthesizer (53) is connected to the oscillator (51) and the frequency divider (52) to generate a transmission signal ( $S_3$ ). In a first embodiment, the frequency of the base signal ( $S_1$ ) is 25 MHz. The base signal ( $S_1$ ) is divided to the interim signal ( $S_2$ ) with a fixed frequency by the frequency divider (52). In this embodiment, the fixed frequency of the interim signal ( $S_2$ ) is 6.25KHz. The transmission signal ( $S_3$ ) is a fixed frequency of 25.00625MHz. The transmission signal ( $S_3$ ) is transmitted to the laser transmitter(10), the mixer(43) and the square wave generator(21). The laser transmitter (10) is connected to the frequency synthesizer (53) and transmits a light signal ( $S_{eo}$ ) at the transmission signal ( $S_3$ ) to a target (not numbered). The target reflects the light signal ( $S_{eo}$ ) to the optical receiver (11). Therefore, the reflected light signal

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~~(S<sub>ee</sub>)~~ (S<sub>hr</sub>) includes the transmission signal (S<sub>3</sub>) with a phase delay.